

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS	
1. PROJECT Duval County FL BEC Borrow Area A				9. SIZE AND TYPE OF BIT See Remarks			
2. BORING DESIGNATION CB-DUC04-20				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.				11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore		VERTICAL MLLW	
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES		DISTURBED 4	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		UNDISTURBED (UD) 0	
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER Tidal		15. DATE BORING 04-17-04	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -50.4 Ft.		17. TOTAL RECOVERY FOR BORING 99 %	
8. TOTAL DEPTH OF BORING 19.5 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>			

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RCD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-50.4	0.0		SAND, poorly-graded, mostly subangular to subrounded fine-grained sand-sized quartz, trace angular shell up to 1/2", trace subangular to subrounded fine-grained sand-sized carbonate, wet, 10Y 6/1 greenish gray (SP)	100			-50.4		
				100	1		-52.4		
							-52.9		
				100					
-55.9	5.5		SAND, silty, mostly subangular fine-grained sand-sized quartz, little silt, trace angular shell up to 1/2", trace fine-grained sand-sized carbonate, wet, 10Y 6/1 greenish gray (SM)	100	2		-56.4		
							-56.9		
-58.8	8.4		CLAY, lean, wet, N 8/ white (CL)	100					
-59.0	8.6		SAND, poorly-graded, mostly subangular to subrounded fine-grained sand-sized carbonate, trace angular shell up to 1/2", trace fine-grained sand-sized quartz, wet, N 8/ white (SP)						
				100	3		-61.4		
							-62.4		
				100					

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District		SHEET 2 OF 2 SHEETS																			
PROJECT Duval County FL BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																		
LOCATION COORDINATES X = 419,713 Y = 2,185,308			ELEVATION TOP OF BORING -50.4 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-66.4	16.0			100			Vibracore																	
			SAND, poorly-graded with silt, mostly subangular to subrounded fine-grained sand-sized carbonate, few silt, trace angular shell up to 1/2", trace fine-grained sand-sized quartz, wet, N 8/ white (SP-SM)	100	4		Vibracore																	
				92			Vibracore																	
-69.7 -69.9	19.3 19.5																							
<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.0/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.0/6.5</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SP-SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>3 Specific Gravity</p>										SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.0/2.5	SP*	2	6.0/6.5	SM*	3	11.0/12.0	SP*	4	16.0/17.0	SP-SM*
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